PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Eldon Emberly, et al.	**Examiner:**	Unassigned
Serial No:	Unassigned	**Art Unit:**	Unassigned
Filed:	Herewith	**Docket:**	15157
For:	METHOD OF IDENTIFYING DESIGNABLE PROTEIN BACKBONE CONFIGURATIONS	**Dated:**	January 31, 2002

#2

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Press W.H. et al., "Numerical Recipes in C", Cambridge University Press (1992);

2. Davidson A.R. et al., "Folded Proteins Occur Frequently in Libraries of Random Amino Acid Sequences", Proc. Natl. Acad. Sci USA 91:2146-2150 (1994);

3. Park B.H. et al., "The Complexity and Accuracy of Discrete State Models of Protein Structure", J. Mol. Biol. 249:493-507 (1995);

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Mailing Label No.: EV 010535380 US
Date of Deposit: January 31, 2002

I hereby certify that this correspondence is being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Dated: January 31, 2002

Janet Grossman

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4. Flower D.R., "SERF: A Program for Accessible Surface Area Calculations", J. Mol. Graphics Mod. 15:238-244 (1997);

5. MacKenzie K.R. et al., "A Transmembrane Helix Dimer: Structure and Implications", Science 276:131-133 (1997);

6. Dahiyat B.I. et al., "De Novo Protein Design: Fully Automated Sequence Selection", Science 278:82-87 (1997);

7. Li H. et al., "Are Protein Folds Atypical?", Proc. Natl. Acad. Sci. USA 95:4987-4990 (1998);

8. Harbury P.B. et al., "High-Resolution Protein Design with Backbone Freedom", Science 282:1462-1467 (1998);

9. Gordon D.B. et al., "Energy Functions for Protein Design", Current Opinion in Structural Biology 9:509-513 (1999);

10. Vita C. et al., "Rational Engineering of a Miniprotein that Reproduces the Core of the CD4 site interacting with HIV-1 Envelope Glycoprotein", PNAS 96(23):13091-13096 (1999);

11. Liang S. et al., "Construction of Protein Binding Sites in Scaffold Structures", Biopolymers 54:515-523 (2000);

12. Nakajima N. et al., "Free Energy Landscapes of Peptides by Enhanced Conformational Sampling", J. Mol. Biol. 296:197-216 (2000);

13. Brown S. et al., "A Genetic Analysis of Crystal Growth", J. Mol. Biol. 299:725-735 (2000); and

14. Keefe A.D. et al., "Functional Proteins from a Random-Sequence Library", Nature 410:715-718 (2001).

Applicants are submitting copies of the above-cited references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,

Paul J. Esatto, Jr.
Registration No. 30,749

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PIB/PJE:dg

Form PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty. Docket No. (Optional)	Application Number
LIST OF PRIOR ART CITED BY APPLICANT *(Use several sheets if necessary)*	15157	Unassigned
	Applicant(s) Eldon Emberly, et al.	
	Filing Date Herewith	**Group Art Unit** Unassigned

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Dahiyat B.I. et al., "De Novo Protein Design: Fully Automated Sequence Selection", Science 278:82-87 (1997)
		Li H. et al., "Are Protein Folds Atypical?", Proc. Natl. Acad. Sci. USA 95:4987-4990 (1998)
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EXAMINER	DATE CONSIDERED

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA						
	AB						
	AC						
	AD						

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Press W.H. et al., "Numerical Recipes in C", Cambridge University Press (1992)
		Davidson A.R. et al., "Folded Proteins Occur Frequently in Libraries of Random Amino Acid Sequences", Proc. Natl. Acad. Sci USA 91:2146-2150 (1994)
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